

DOCKETED

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Commercial Laundry System Uses 80% Less Water and 50% Less Energy

To support the water restrictions in place due to the devastating California drought we would like to offer information on the Xeros Commercial Laundry System which uses upwards of 80% less water than traditional commercial laundry machines.

Xeros's™ innovative technology changes the most basic operating principles of the washing machine by replacing the massive quantities of hot water used in traditional washing machines with beads made from a special stain-absorbing polymer. By substituting water with polymer beads as the active ingredient for removing stains from fabrics, the polymer bead machines typically use upwards of 80% less water than a traditional commercial washing machine. It cleans fabrics at ambient temperatures reducing the need to heat water, resulting in 50% less energy consumption. And because its proprietary detergent formula takes full advantage of the unique cleaning properties of the polymer beads, chemical detergent usage is reduced by 50%. With more than 100 systems installed, this environmentally sustainable system is changing the way we think about laundry.

Commercial laundry operations which are found in hotels, dry cleaners, fitness facilities and industrial launderers are water-intensive, so complying with water restrictions can be difficult without installing advanced water saving equipment. Traditional commercial laundries consume 3-4 gallons of water for every pound of laundry washed, plus the electric and gas needed to get that water hot enough to provide a satisfactory clean. The Xeros system is proven to use 0.53 gallons of water per pound of laundry.

For more information:

<http://www.xeroscleaning.com/>

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Additional submitted attachment is included below.

THE XEROS SYSTEM

REVOLUTIONIZING COMMERCIAL LAUNDRY

XEROS[®]
BEAD CLEANING

THE XEROS SYSTEM OFFERS A WHOLE NEW WAY TO CLEAN LAUNDRY

The Xeros laundry system is the first REAL innovation in laundry in more than 60 years. Above all else we offer superior cleaning.

The award winning technology was originally developed by a team of polymer scientists. It is proven to clean laundry as well as conventional wet washing, with a fraction of the water. Instead, the laundry is just dampened and then gently tumbled in tiny polymer beads.

These Xeros beads have a unique action that absorbs the stains, and can be used 100s of times before they need to be replaced. What's more, the Xeros team has designed a patented washing machine that operates just like a conventional washing machine so that the beads are extracted before you remove the cleaned laundry. This machine design has been optimized to provide superior cleaning performance while needing only a fraction of the water, detergent, and heating power compared to conventional washing.

TURN ON THE BEADS AND WATCH THE SAVINGS FLOW

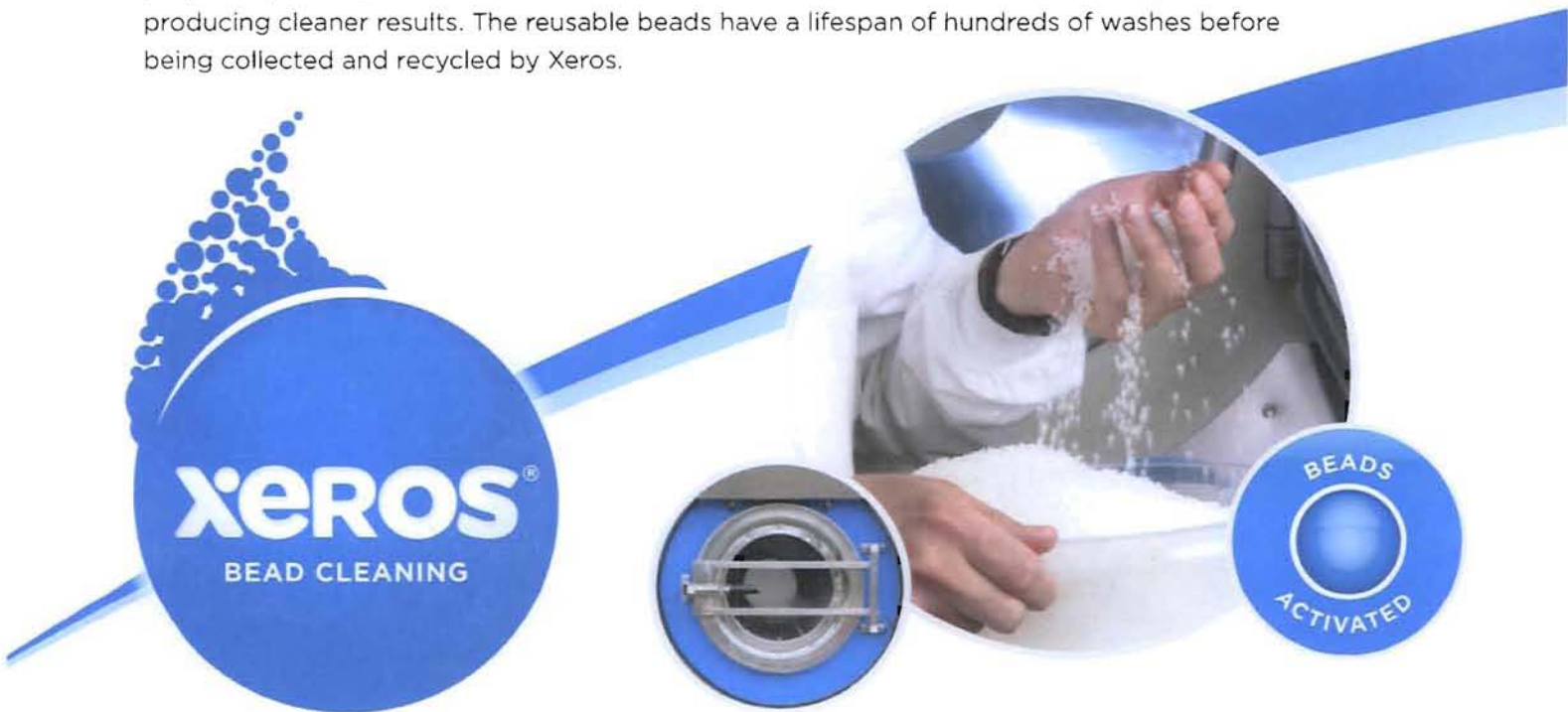
Introducing the Xeros Open Pocket Polymer Washing Machine!

Look inside for more about the Xeros Bead Cleaning System.



THE POWER OF POLYMER CLEANING[®] IS HERE

At first glance a Xeros washing machine appears to be no different from a conventional machine. Access via the unmodified door, the full color display, and the general appearance are all reassuringly familiar. The proprietary technology that allows the machine to handle Xeros polymer beads as part of its wash process, is hidden from view. By combining the beads' molecular structure with a proprietary detergent solution, dirt from soiled items is attracted and absorbed by the beads, producing cleaner results. The reusable beads have a lifespan of hundreds of washes before being collected and recycled by Xeros.



BEAD STORAGE

Beads are stored in a wet sump, mounted low in the machine, which is decoupled from the wash drum housing to aid machine balancing during high speed extraction. The internal structure of the sump is specially designed to allow easy removal and transport of the beads up into the drum. Storage of the beads in this way also enables their cleaning during long term use of the machine, and easy hygiene control.

BEAD TRANSPORT/ADDITION

Also mounted low in the machine is the bead pump which, during the wash cycle, moves the beads to the top of the machine in a small amount of transport water. This bead/water mixture then enters a proprietary separator device. This passes the beads into the wash drum, while returning the transport water directly back down to the sump where it is used to move the next bead pulse. This system helps to ensure that the Xeros machine is incredibly water-efficient.



WASHING/BEAD REMOVAL

The Xeros polymer beads are intimately mixed with the wash load in the drum, and the combination of their gentle and uniform mechanical action, plus their tailored chemistry, help generate outstanding stain removal with excellent fabric care.

During the wash phase, the beads continuously pass through holes in the drum wall and return to the sump, where they are again pumped back up to the separator device to continue the washing process. In this way, the beads flow through the wash load during washing, facilitating stain removal, and then transport away, resulting in excellent greying control. The rate of bead flow through the drum is one of the key parameters to the Xeros process, and various process control features ensure this is tailored to give optimum performance.



SUPERIOR CLEANING

The first real innovation in laundry in over 60 years. Above all we offer superior cleaning



SUSTAINABILITY

Process laundry with less water, energy, and toxic chemicals to preserve the environment



BEADS SAVE WATER

We aim to save 20 million swimming pools' worth of water in the USA alone



SAVE MONEY

Less time, energy, and detergent means you save money



GARMENT LIFE

Gentler cleaning action and lower temperatures mean your clothes stay new longer



ABSORBS STRAY COLORS

Xeros beads absorb stray colors so they do not dull your clothes

Xeros uses a spray rinsing system to further deliver on its promise of low water consumption. This too is proprietary technology that delivers excellent rinsing performance versus conventional processes. During rinsing the bead pump is switched off, and the combination of low and high speed extracts enables the last few beads remaining in the wash load to fall through the drum, and return to the sump. The wash load can now be removed, and the machine is ready for its next cycle.

BEAD CLEANING TECHNOLOGY REPLACES UP TO 80% OF WATER WITH A SUPERIOR, ENVIRONMENTALLY FRIENDLY WAY TO GET FABRIC CLEAN

To get all the information on Xeros polymer bead cleaning and to watch our videos demonstrating the process, visit us at:

XEROSCLEANING.COM



EQUIPMENT FEATURES

- Patented polymer washing system provides superior cleaning performance at a fraction of the cost
- HMI touch screen and customized software allows for simple, intuitive operation
- Powerful data-capturing capabilities for tracking productivity and utility consumption

MODEL XSL5025

Capacity	60 pounds
Cylinder Size	35.9" x 25.9"
Cubic Content	134 gal.
Water Inlets (2)	3/4" BSPT
Drain	3.5" O.D.
Drive System	Inverter
High Extract	Up to 900 RPM
G-Force	Up to 274 G
Extract Motor	10 h.p.
Circuit Breaker	30 amp
Control	7" Touch Screen
Programs	Up to 50
Dimensions	
Width	52"
Depth	61"
Height	86"
Net Weight	3,968 lbs.
Shipping Weight	4,070 lbs.

Options include:
480/3/50, 220/3/80, and 208/3/100
Consult Xeros for other available voltages
including low-voltage options.



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